

BR 1-229B ON KIRKWOOD HIGHWAY OVER WHITE CLAY CREEK

PROJECT SCOPE/DESCRIPTION: This bridge project on Kirkwood Highway (SR 2) consists of improvements that will include the rehabilitation of the existing steel beams and bearings; the repair of spalled areas of the pier cap and abutments; the scaling of approach slab cracks; as well as the repair of scour holes around the existing piers. A protective barrier will be constructed on the sidewalk on the eastbound side.

PROJECT JUSTIFICATION: This bridge is functionally obsolete and ranks 35th on the department's bridge deficiency list (via the bridge management program).

County:	New Castle
Municipality:	
Funding Program:	Road System – Bridges
Functional Category:	Preservation
Representative District:	24, 21
Senatorial District:	8, 9



BR 1-229B ON KIRKWOOD HIGHWAY OVER WHITE CLAY CREEK (CONTINUED)

Bridge 1-229B



BR 1-229B ON KIRKWOOD HIGHWAY OVER WHITE CLAY CREEK (CONTINUED)**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 06/30/03	Expended as of 06/30/03	Committed Unexpended as of 06/30/03	Authorization Available
BR 1-229B on Kirkwood Highway Over White Clay Creek		\$ 744.0						
Prior Years	State			\$ 344.0	\$ 344.0	\$ 304.7	\$ 39.3	\$ 0.0
	Federal			\$ 1,187.0	\$ 1,187.0	\$ 1,187.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 1,531.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Authorized	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 0.0
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 344.0	\$ 344.0			\$ 0.0
	Federal			\$ 1,187.0	\$ 1,187.0			\$ 0.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 744.0	\$ 1,531.0	\$ 1,531.0	\$ 1,531.0	\$ 1,491.7	\$ 39.3	\$ 0.0

BR 1-229B ON KIRKWOOD HIGHWAY OVER WHITE CLAY CREEK (CONTINUED)**PROJECT TIMELINE INFORMATION**

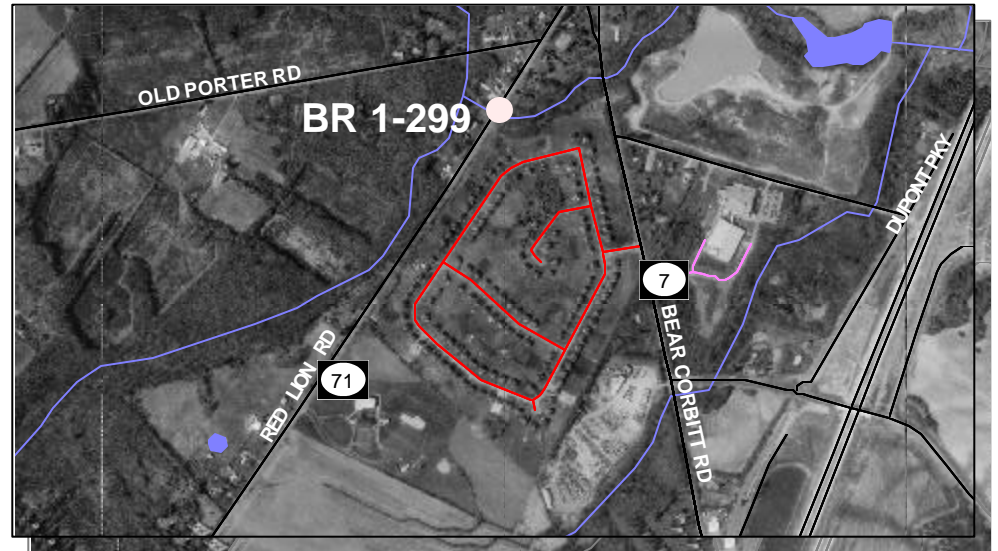
Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
21-074-04	BR 1-229B on Kirkwood Highway Over White Clay Creek	PE	100% ST	\$ 38.2	\$ 38.2	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	100% ST	9.0	9.0	0.0	0.0	0.0	0.0	0.0
		C	80% FHWA	1,483.8	1,483.8	0.0	0.0	0.0	0.0	0.0
	Total All Funds			\$ 1,531.0	\$ 1,531.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0

BR 1-299 ON RED LION ROAD OVER RED LION CREEK

PROJECT SCOPE/DESCRIPTION: Bridge 1-299 on Red Lion Road (SR 71) is located in the Red Lion area. Work to this bridge includes replacement of the top slab of the structure, installation of safety improvement measures, placement of scour protection and increased hydraulic capacity to meet the design for future possible storms (50 year).

PROJECT JUSTIFICATION: The bridge is in need of repair to maintain its structural capacity and is currently ranked 155th out of 1,399 on the department's bridge deficiency list (via the bridge management program).

County:	New Castle
Municipality:	
Funding Program:	Road System – Bridges
Functional Category:	Preservation
Representative District:	15
Senatorial District:	12



BR 1-299 ON RED LION ROAD OVER RED LION CREEK (CONTINUED)

Bridge 1-299



BR 1-299 ON RED LION ROAD OVER RED LION CREEK (CONTINUED)**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 06/30/03	Expended as of 06/30/03	Committed Unexpended as of 06/30/03	Authorization Available
BR 1-299 on Red Lion Road Over Red Lion Creek		\$ 390.5						
Prior Years	State			\$ 72.0	\$ 72.0	\$ 72.0	\$ 0.0	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 390.5	\$ 13.5	\$ 0.0	\$ 0.0	\$ 0.0	\$ 13.5
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Authorized	State			\$ 0.0				\$ 13.5
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 0.0				\$ 13.5
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 13.5
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 13.5
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 85.5	\$ 72.0			\$ 13.5
	Federal			\$ 0.0	\$ 0.0			\$ 0.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 390.5	\$ 390.5	\$ 85.5	\$ 72.0	\$ 72.0	\$ 0.0	\$ 13.5

BR 1-299 ON RED LION ROAD OVER RED LION CREEK (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
22-074-06	BR 1-299 on Red Lion Road Over Red Lion Creek	PE	100% ST	\$ 72.0	\$ 72.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	100% ST	13.5	0.0	13.5	0.0	0.0	0.0	0.0
		C	100% ST	305.0	0.0	0.0	305.0	0.0	0.0	0.0
	Total All Funds			\$ 390.5	\$ 72.0	\$ 13.5	\$ 305.0	\$ 0.0	\$ 0.0	\$ 0.0

BR 1-307 ON RIVER ROAD OVER GETTY PIPE LINE AND BR 1-311 ON WRANGLE HILL ROAD OVER DRAGON RUN CREEK

PROJECT SCOPE/DESCRIPTION: Bridges 1-307 and 1-311 are located in the Delaware City area. Work to Bridge 1-307 on River Road (SR 9) includes replacement of the existing bridge with a prestressed voided slab bridge, safety improvements and minimal approach work. Improvements to Bridge 1-311 on Wrangle Hill Road (SR 72) include replacement of the existing culvert with a reinforced concrete culvert, safety improvements, installation of scour protection and minor roadway approach work.

PROJECT JUSTIFICATION: Bridge 1-307 and Bridge 1-311 are closely located and in need of repair to maintain structural capacity. Bridge 1-307 is currently ranked 134th and Bridge 1-311 is currently ranked 120th out of 1,399 on the department's bridge deficiency list (via the bridge management program).



County:	New Castle
Municipality:	
Funding Program:	Road System – Bridges
Functional Category:	Preservation
Representative District:	9, 15
Senatorial District:	12, 14



BR 1-307 ON RIVER ROAD OVER GETTY PIPE LINE AND BR 1-311 ON WRANGLE HILL ROAD OVER DRAGON RUN CREEK (CONTINUED)

Bridge 1-307



Bridge 1-311



BR 1-307 ON RIVER ROAD OVER GETTY PIPE LINE AND BR 1-311 ON WRANGLE HILL ROAD OVER DRAGON RUN CREEK (CONTINUED)**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 06/30/03	Expended as of 06/30/03	Committed Unexpended as of 06/30/03	Authorization Available
BR 1-307 on River Road Over Getty Pipe Line and BR 1-311 on Wrangle Hill Road Over Dragon Run Creek		\$ 1,195.6						
Prior Years	State			\$ 71.0	\$ 71.0	\$ 21.3	\$ 49.7	\$ 0.0
	Federal			\$ 101.6	\$ 53.0	\$ 52.9	\$ 0.0	\$ 48.6
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 1,195.6	\$ 23.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 23.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 48.6
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Authorized	State			\$ 0.0				\$ 23.0
	Federal			\$ 0.0				\$ 48.6
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 0.0				\$ 23.0
	Federal			\$ 0.0				\$ 48.6
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 23.0
	Federal			\$ 0.0				\$ 48.6
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 23.0
	Federal			\$ 0.0				\$ 48.6
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 94.0	\$ 71.0			\$ 23.0
	Federal			\$ 101.6	\$ 53.0			\$ 48.6
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 1,195.6	\$ 1,195.6	\$ 195.6	\$ 124.0	\$ 74.3	\$ 49.8	\$ 71.6

BR 1-307 ON RIVER ROAD OVER GETTY PIPE LINE AND BR 1-311 ON WRANGLE HILL ROAD OVER DRAGON RUN CREEK (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
22-071-04	BR 1-307 on River Road Over Getty Pipe Line and BR 1-311 on Wrangle Hill Road Over Dragon Run Creek	PE	100% ST	\$ 127.0	\$ 127.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	100% ST	68.6	45.6	23.0	0.0	0.0	0.0	0.0
		C	100% ST	1,000.0	0.0	0.0	1,000.0	0.0	0.0	0.0
	Total All Funds			\$ 1,195.6	\$ 172.6	\$ 23.0	\$ 1,000.0	\$ 0.0	\$ 0.0	\$ 0.0

BR 1-346 ON OLD COOCH'S BRIDGE ROAD OVER TRIBUTARY OF THE UPPER REACHES OF CHRISTINA RIVER

PROJECT SCOPE/DESCRIPTION: Bridge 1-346 on Old Cooch's Bridge Road (N408) is located in the Cooch's Bridge historic district. The design will be sensitive to the aesthetics required for the area. Work will include replacement of the existing bridge with a simulated arch rigid frame, stream bank stabilization to protect the roadway from eroding, placement of scour protection and minimal roadway approach work.

PROJECT JUSTIFICATION: The bridge is in need of repair to maintain its structural capacity and is currently ranked 133rd out of 1,399 on the department's bridge deficiency list (via the bridge management program).



County: New Castle
Municipality:
Funding Program: Road System – Bridges
Functional Category: Preservation
Representative District: 24, 27
Senatorial District: 10



Bridge 1-346



BR 1-346 ON OLD COOCH'S BRIDGE ROAD OVER TRIBUTARY OF THE UPPER REACHES OF CHRISTINA RIVER (CONTINUED)**PROJECT FUNDING INFORMATION**

Project	Funding Type	Original Estimate	Current Estimate	Authorization	Committed as of 06/30/03	Expended as of 06/30/03	Committed Unexpended as of 06/30/03	Authorization Available
BR 1-346 on Old Cooch's Bridge Road Over Tributary of the Upper Reaches of Christina River		\$ 598.6						
Prior Years	State			\$ 75.0	\$ 75.0	\$ 48.0	\$ 27.0	\$ 0.0
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2003	State		\$ 598.6	\$ 25.3	\$ 0.0	\$ 0.0	\$ 0.0	\$ 25.3
	Federal			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
	Other			\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
FY 2004 Authorized	State			\$ 0.0				\$ 25.3
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2005 Projected	State			\$ 0.0				\$ 25.3
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2006 Projected	State			\$ 0.0				\$ 25.3
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
FY 2007-2009 Projected	State			\$ 0.0				\$ 25.3
	Federal			\$ 0.0				\$ 0.0
	Other			\$ 0.0				\$ 0.0
Total Projected	State			\$ 100.3	\$ 75.0			\$ 25.3
	Federal			\$ 0.0	\$ 0.0			\$ 0.0
	Other			\$ 0.0	\$ 0.0			\$ 0.0
Total All Funds		\$ 598.6	\$ 598.6	\$ 100.3	\$ 75.0	\$ 48.0	\$ 27.0	\$ 25.3

BR 1-346 ON OLD COOCH'S BRIDGE ROAD OVER TRIBUTARY OF THE UPPER REACHES OF CHRISTINA RIVER (CONTINUED)**PROJECT TIMELINE INFORMATION**

Project #	Description	Phase	Funding Schedule	Current Estimate	Prior Years	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007 -2009
22-071-02	BR 1-346 on Old Cooch's Bridge Road Over Tributary of the Upper Reaches of Christina River	PE	100% ST	\$ 75.0	\$ 75.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0	\$ 0.0
		RW	100% ST	25.3	0.0	25.3	0.0	0.0	0.0	0.0
		C	100% ST	498.3	0.0	0.0	498.3	0.0	0.0	0.0
	Total All Funds			\$ 598.6	\$ 75.0	\$ 25.3	\$ 498.3	\$ 0.0	\$ 0.0	\$ 0.0